

JANOSSY, L.

"Tube-counter and coincidence theory," Zeits. f. Physik, 55, 5-6, 1936.

JANOSSY, L.

"Intensity of penetrating radiation from measurements of single counts and coincidences with tube counters," Zeits. f. Physik, 101, 1-2, 1936.

JANOSSY, L.

With W. Kolkoerster, "Asymmetry of angular distribution of cosmic radiation,"
Zeits. f. Physik, 101, 7-8, 1936.

JANOSSY, L.

"Tube counters and coincidence theory, Part II," Zeits. f. Physik, 104, 1-2,
1936.

JANOSSY, L.

"Influence of the Sun's magnetic field on cosmic rays," Zeits. f. Physik, 104, 5-6, 1937.

JANOSSY, L.

With A.C.B. Lovell, "Nature of extensive cosmic-ray showers, " Nature, 142, 1938.

(letter, dated Sept 2, 1938, from Physical Laboratories, University of Manchester.)

JANOSSY, L.

"Investigation into the relation of shower frequency to general cosmic-ray intensity,"
Proc. Roy. Soc. (London), A167, 1938.

JANOSSY, L.

"Exchange force between the heavy particles due to the meson exchange field,"
Proc. Cambridge Phil. Soc., 35, 1939.

JANOSSY, L.

With P. Ingleb., "Penetrating cosmic-ray showers," Nature, 145, 1940.

(letter, from Physical Laboratories, University, Manchester.)

JANOSSY, L.

With B. Rossi, "The photon component of cosmic radiation and its absorption coefficient," Proc. Roy. Soc. (London) A175, 1940.

JANOSSY, L.

With B. Rossi, G. D. Rochester, and M. Bound, "The production of secondary ionizing particles by nonionizing agents in cosmic radiation," Phys. Rev., 56, 1940.

JANOSSY, L.

"Penetrating cosmic-ray showers," Nature, 147, 1941.

(Letter from Physical Laboratories, University, Manchester.)

JANOSSY, L.

With G. D. Rochester, "Penetrating nonionizing cosmic-ray particles," Nature,
148, 1941.

(Letter, from Physical Laboratories, University, Manchester.)

JANOSSY, L.

With, C. B. McCuslser, and G. D. Rochester, "Cloud-chamber investigation of penetrating showers," Nature, 148, 1941.

(Letter, dated Nov. 5, from Physical Laboratories, University of Manchester.)

JANOSSY, L.

With, P. Lockett, "The Sun's magnetic field and the diurnal and seasonal variations in cosmic-ray intensity," Proc. Roy. Soc., A, 178, May 9, 1941.

JANOSSY, L.

With P. Ingleby, "Circuit for self-recording Geiger-Mueller counters," F. Sci. Instrum.,
19, Feb. 1942.

JANOSSY, L.

With G. D. Rochester, "Connection between the penetrating nonionizing component of cosmic radiation and penetrating showers," Nature, 150, 1942.

(Letter, Physical Laboratories, University, Manchester.)

JANOSSY, L.

"Penetrating cosmic-ray showers," Proc. Roy. Soc., (London) A177, 1942.

JANOSSY, L.

With E. P. George and M. McCaig, "The 'second maximum' of the shower transition curve of cosmic radiation," Proc. Roy. Soc., (London) A180, 1942.

JANOSSY, L.

With G. D. Rochester, "The preparation and efficiency of the fast Geiger-Mueller counter," Phys. Rev., 63, 1943.

JANOSSY, L.

"Note on the production of cosmic-ray mesons," Phys. Rev., 64, 1743.

Jancsary, L.

Valve technique in subatomic research (review of Electrical counting, with special reference to counting alpha and beta particles. W. B. Lewis, Cambridge, Cambridge University Press, 1942), Nature (Lond.), 151, 377 (Apr. 3, 1943).

JANOSSY, L.

With G. D. Rochester, "Barometer effect of ~~an~~ penetrating cosmic-ray showers,"
Nature, (London), ~~155~~ 152, October 16, 1943.

(Letter, dated Sept. 15, from Physical Laboratories, University of Manchester.)

JANOSSY, L.

With G. D. Rochester, "Penetrating non-ionizing cosmic radiation," Proc. Roy. Soc.,
(London) A181, 1943.

JANOSI, L.

With G. D. Rochester, "The production of penetrating showers," Proc. Roy. Soc.,
(London) A182, 1943.

JANOSSY, L.

"Rate of n- fold accidental coincidences," Nature, (London), 153, February 5, 1944.

(Letter, from Physical Laboratories, University, Manchester.)

JANOSY, L.

With E. Schroedinger, "Rate of n- fold accidental coincidences," Nature, (London),
193, No. 13, 1944.

JANOSSY, L.

With G. D. Rochester, "The transition effect of penetrating showers," Proc. Roy. Soc.,
A, 183, November 30, 1944.

continued, ...

With G. D. Rochester, "The barometer effect of penetrating showers," Proc. Roy. Soc.,
A, 183, November 30, 1944.

JANOSSY, L.

With G. D. Rochester and D. Broadbent, "Extensive penetrating showers," Nature,
155, 1945.

(Letter dated Dec. 12, from Physical Laboratories, University, Manchester 13,)

JANOSSY, L.

With H.-Y. Tzu, "Saddle-point methods in the cascade theory," Nature, (London),
157, May 11, 1946.

(Letter dated Feb. 12, from Physical Laboratories, University, Manchester 13.)

Janossy, L., and J. G. Wilson

Meson spectrum near sea level. *Nature*, 158, 450 (1946)

(Univ. Manchester Eng.)

(Letter, dated Aug. 16, from Physical Laboratories, University of Manchester.)

JANOSSY, L.

With E. P. George, "Penetrating cosmic-ray bursts," Phys. Rev., 70, Nov 1 and 15, 1946.

Janossey, L., and J. McConnell

Detectability of the negative proton. Nature, 159, 335-6 (1947)

(~~StxxPatrick'sxxCollegexxMaynooth~~)

(Letter, signed by McConnell from St. Patrick's College, Maynooth;
and by Janossey dated Jan. 7, from Physics Department, University,
Manchester.)

JANOSSY, L.

With D. Broadbent, "Local and extensive penetrating cosmic-ray showers," Proc. Roy. Soc., (London), A190, 1947.

(Inst. Advanced Studies, Dublin, Ireland)

JANUSSI, L.

With D. Broadbent, "Extensive penetrating cosmic-ray showers," Proc. Roy. Soc.,
(London), A191, 1947.

(Univ. Manchester, Eng.)

JANOSY, L.

With P. Nicolson, "Meson formation and geomagnetic effects," Proc. Roy. Soc.,
(London) A192, 1947.

JANOSY, L.

"Fundamental Particles", Phys. Soc. Lond., 1, 1948.

JANOSSY, L.

"The penetrating power of cosmic-ray shower particles," Proc. Cambridge Phil. Soc.,
34, 1948.

JANOSSY, L.

With D. Broadbent, "Production of penetrating particles in extensive air showers,"
Proc. Roy. Soc., A, 192, February 18, 1946.

JANOSI, L.

"Penetrating particles in air showers," Research (London), Suppl., Cosmic radiation
1949.

JANOSY, L.

With F. McConnell, "Scattering b, a nuclear potential," Proc. Roy. Irish Acad.,
52A, 1947.

Jancsoy, L., and W. Heitler

The size-frequency distribution of penetrating showers. Proc. Phys.
Soc. (London), C64, 669-83 (1949).

Janosy, L., and W. Heitler

The absorption of meson-producing nucleons. Proc. Phys. Soc. (London),
62A, 374-85 (1949)

Janosey, J. [sic] and W. Heitler

The multiplicities of meson-showers and the absorption of meson-producing nucleons. Nuovo Cim., 6 (Suppl. No. 3), 499-502 (1949)

JANOSSY, L.

With C.B.A. McCusker, "Penetrating particles in air showers," Nature, 163, 1949.

(Dublin Institute for Advanced Studies)

JANOSSY, L.

With B. Rossi and G. Hulsizer, "The primary soft component of cosmic radiation,"
Nature, (London) 163, Februar, 12, 1949.

(The portion of the letter written by Janossy is signed from School of Cosmic
Physics, Dublin Institute for Advanced Studies.)

JANOSSY, L.

Cosmic Rays, 1950.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

Source: Mathematical Reviews,

Vol 11 No. 7

CA

117

The effect of *p*-aminosalicylic acid on the activity of serum lipase. László Perényi and László Jánosy (Univ. Budapest, Hung.). *Kísérlet Orvostudományok* 2, 202, 8 (1950).—Lipase activity was examd. in serum treated with various amounts of *p*-aminosalicylic acid (I) dissolved in 0.01 N NaOH and adjusted to pH 7.6 with a 0.1 M phosphate buffer. *In vitro* I showed a definite inhibiting effect even in a concn. of 1.0 mg. % when allowed to stand 24 hrs. The degree of inhibition was 50% at a concn. of 10 mg. %, and 100% at a 17 mg. % concn. Acetylated I had no inhibiting effect. *m*-Aminophenol, *p*-aminobenzenesulfonamide, and *p*-aminobenzoic acid showed similar but weaker effects, whereas salicylic acid was ineffective. The inhibiting effect is caused by the free NH₂ group in the *m*-position to the OH group. Clinical expts. proved that I *in vivo* is ineffective both in humans and in rabbits.

István Fényi

Jarossy, L., and W. Heitler

Plural production of meson showers. Helv. Phys. Acta 23, 417-31
(1950). *In German*

(Univ., Zurich, Switz.)

JANOSSY, L.

"On the lateral spread of extensive air showers," Proc. Phys. Soc., (London)
A, 63, September 1950.

JANOSY, I.

With H. Messel, "Fluctuations of the electron-photon cascade; moments of the distribution," Proc. Phys. Soc., (London) 63A, 1950.

(Dublin Inst. for Advanced Studies, Ireland)

JANUSSI, L.

"On the absorption of a nucleon cascade," Proc. Roy. Iris. Acad., 53A, 1950.

Janossy, L.

Note on the fluctuation problem of cascades. Proc. Phys. Soc.
(London), 63A, 241-9 (1950)

(Dublin Inst. for Advanced Studies, Ireland)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

JANUARY, L.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

TAMASSY, LAIDS

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

JANUARY 1965

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

Jancsó, L.

On the physical interpretation of the Lorentz transformation. Acta Phys. Hungar., 1, 4, pp. 391-422 (1951). In English.

(Central Research Institute for Physics, Budapest. Department for Cosmic Rays.)

[Notation: "Received 9. II. 1952."]

Also in Ann. Phys. (Leipzig), 11, No. 4-7, 263-323 (1955). In German.

Janosay, L., and H. Messel

On the calculation of average numbers for the electron-photon cascade .
Proc. Roy. Irish Acad., A, 54, 217-43 (1951).

Janossey, L., and R. Messel

Investigation into the higher moments of a nucleon cascade. Proc.
Roy. Irish Acad., A, 54, 245-62 (1951).

JANOSSY, L.

With H. Messel, "Cascade theory including ionization loss," Proc. Phys. Soc.,
(London) 64A, 1951.

(Dublin Institute for Advanced Studies, Ireland).

JANOSY, L.

JANOSSY, L.

"The physical aspects of the wave-particle problem," Acta phys. Hungar., I, No. 4,
1952 (In English.)

*(Central Research Institute for Physics, Budapest, Department for Cosmic Rays.)
[Notation: "Received 22. IV. 1952."]

JANOSSY, L.

"The passage of a wave packet through a potential barrier," Acta phys. Hungar., Z,
No 2, 1952 (In English)

(Central Research Institute for Physics, Budapest, Department for Cosmic Rays.)
[Notation: "Received 23. V. 1952."]

JANOSSY, L.

Mathematical Reviews
Vol. 15 No. 4
Apr. 1954
Analysis

8-24-54
RML

JANOSSY, L. Studies on the theory of cascades. Acta
Phys. Acad. Sci. Hungar. 2, 289-333 (1952). (Russian
summary)

In the theory of nucleon cascades one has to consider processes in which a single particle of known energy, on passage through matter, gives rise to secondary particles of various energies, the number and variety of which as well as their energy distributions are random variables subject to laws of probability. A typical problem in the theory is to determine the probability of occurrence at a certain depth x of a definite number of particles of specified variety and with energies in specified intervals when a particle of known energy is incident at $x=0$. It is clear that it will be difficult to even formulate the relevant "diffusion equations" without some special notation. The present paper is principally devoted to describing a notation and developing a formalism which will enable the equations and the problems of the subject to be compactly formulated. The basic equation of the theory is one which the author calls the "G-equation." Simpler examples of the author's methods have been published earlier [Jánossy, Proc. Roy. Irish Acad. Sect. A. 53, 181-188 (1950); these Rev. 13, 569; Messel and Gardner, Physical Rev. (2) 84, 1256 (1951); these Rev. 13, 569].

S. Chandrasekhar. (Williams Bay, Wis.)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

JANOSY, LAJOS

Category : HUNGARY/Nuclear Physics - Cosmic Rays

C-7

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3282

Author : Janossy, Lajos

Title : Study of Extensive Air Showers

Orig Pub : Magyar tud. akad. Kozp, fiz. Kutato intez. kozl., 1953, 1, No 1-2,
54-60

Abstract : Survey article.

Card : 1/1

JÁNOSY, LAJOS

Mathematical Reviews

Vol. 15 No. 2

Feb. 1954

Numerical and Graphical
Methods

✓ Jánosy, Lajos. Searching for periodicities. Magyar Tud.
Akad. Mat. Fiz. Oszt. Közleményei 3, 7-25 (1953).
(Hungarian)

The author discusses various iterative methods for the
detection of periodicities in observational data.

E. Lukacs (Washington, D. C.).

"An account of some problems of the Conference of Physicists in Berlin."
Kozlemenyei, Budapest, Vol 3, No 3, 1953, p. 323

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

JANOSSY, L.

Biographic data

Sept 1953

A paper "Wellenmechanische Berechnung einiger Konstanten des HF-Molekuls, " by
Zs. Naray, Zentralforschungsinstitut für Physik der Ungarischen Akademie der
Wissenschaften, Budapest, Notation: "Vorgelegt von L. Janossy. ---Eingegangen"
5. IX. 1953. Article is in German.
Acta Phys. Hungar., III, 3-4, 255, 1953.

JANOSY, L.

Mathematical Reviews
Vol. 14 No. 9
October 1953
Relativity.

①
✓ Janosy, L. Über die physikalische Interpretation der
Lorentz-Transformation. Ann. Physik (6) 11, 293-312
(1953).

✓ German version of the author's paper in Acta Phys
Acad. Sci. Hungar. 1, 391-422 (1952); these Rev. 14, 506
H. P. Robertson (Pasadena, Calif.).

JANOSSY, L.

Biographic data

Oct 1953

[A paper "Reflex oscillators," by P.S. Fanago, Central Research Institute for Physics, Budapest, And G. Groma, University Institute for Physics, Budapest. Notation: "Presented by L. Janossy.-- Received 10. XI. 1953." Article is in English.]

Acta Phys. Hungar., IV, 1, 7, 1954.

JANOSY, L.

"Fluctuation problem of cascades," Proc. Phys. Soc., (London) 66A, 1555.

JANOSSY, L.

With D. Kiss, "On the measurement of efficiency of G.M.-counters," Acta Phys.
Hungar, 4, 2, (1954)

JANOSY, L.

Biographic data

Feb 1954

[A paper "Fredholm theory of Heitler's Integravl Equation," by S. N. Biswas, Department of Theoretical Physics, Indian Association for the cultivation of Science, Calcutta, Notation: Presented by L. Janossy--Received 1, II, 1954. In English].

Acta Phys. Hungar., IV, I. 1954.

JANOSSY, L.

Biographic data

Jan 1954

[A paper "Quantum effects in the interaction between free electrons and electromagnetic fields," by P. S. Farago, Central Research Institute for Physics, Budapest, and G. Marx, University Institute for Physics, Budapest. Notation: "Presented by L. Janossy.--Received 11, I. 1954." In English.]

Acta Phys. Hungar., IV, 1, 23, 1954.

JANOSSY, L.

Biographic data

Feb 54

[A paper "On the quantum statistics of nucleons," by G. Szamosi, Central Research Institute for Physics, Budapest. Notation: "Presented by L. Janossy.---
Received 2. VI. 1954." The article is in English.]

Acta Physica Hungar., IV, 2, 1954.

JANOSSY, L.

Biographic data

Aug 1954

[A paper "Ein Strömungsmodell der Wellen-mechanik," by Herbert W. Franke,
Erlangen. Notation: "Vorgelegt von L. Janossy.--Eingegangen: 31. VIII. 1954.
The article is in German.]

Acta Phys. Hungar., IV, 2, 163, 1954.

HUNG.

1932. On the measurement of efficiency of G.M. counters. L. JÁNOSSY AND D. KISS. *Acta phys. Hungar.*, 4, No. 2, 173-82 (1954).

An improved method is given. Special care has been taken to reduce spurious events resulting from cosmic showers and accidental coincidences. With help of the above method the efficiencies of G. M. counters used in the authors' laboratory has been found in most cases to be about 99.3%.

3
1/Rm L

gaw

mk

JANOSY, I.

"Investigation on the theory of cascades. Part 1." Zhur. eksp. i teor.
fiz. 26 no. 4: 386-404. Apr '54. (MLRA 7:7)

1. TSentral'nyy nauchno-issledovatel'skiy fizicheskiy institut
Budapesht.
(Nuclear physics) (Cosmic rays)

~~Janos, L. Janosy~~

FD 410

USSR/Hungary/Nuclear Physics - Cosmic rays

Card 1/1 Pub. 147-2/16

Author : Yanoshi, L. [L. Janossy]

Title : Investigations in the theory of Cascades. II

Periodical : Zhur. eksp. i teor. fiz. 26, 518-536, May 1954

Abstract : Shows that many familiar successes of the theory of cascades can be simply derived from the generalized G-equations as obtained in Part I (L. Yanoshi, ZhETF 26,386, 1954). Among these successes are the results connected with the cross-sectional distribution of atmospheric showers. Refers to 3 of his earlier works, published in England in 1950.

Institution : Central Scientific Research Institute of Physics, Budapest

Submitted : August 13, 1953

JAN 1957

17
Measurements of the efficiency of Geiger-Müller count-
ers. Lajos Jánosy and Dezső Kiss. *Magyar Fiz. Folyo-
irat* 5, 237-241 (1956).—The app. and the method followed
were similar to that of Rochester and Jánosy (C.A. 37,
4007'). Special care was taken to reduce spurious counts
to a min. The efficiency of the counter was 99.3%.
E. Koss

3

483e
4E3d

RM

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

JANOSSY, L.: NARAY, ZS.

Decade light attenuator. In English. p. 133 Vol. 5, no. 2, 1955

SOURCE: Monthly list of East European Accessions, (EEAL), LC,
vol. 5, no. 3, March 1956

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

JANOSY, L.

Tasks for Hungarian researchers and Hungarian industry in the use of aid offered
by the Soviet Union for atomic research. p. 6.
MUSZAKI ELET, Budapest, No. 11, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

USSR/Physics - Electron multiplier

FD-2341

Card 1/1 Pub. 146 - 6/34

Author : Yanoshi, L. [Janossy, L.]

Title : Statistical problems of the electron multiplier

Periodical : Zhur. eksp. i teor. fiz. 28, 679-694, Jun 1955

Abstract : The author expounds a method for determining the function describing the distribution of amplitudes of impulses (momenta) in an electron multiplier if one knows the probability of occurrence of n secondary electrons in one elementary act. He solves the problem of determining the probability of this elementary act (event) if one knows from the experimental data the curve describing the distribution of impulses (momenta) according to amplitudes in a multiplier. Two references (L. Janossy, Acta Mathematica, Budapest, 2, 1951; M. Lemeray, C. R. 128, 1889).

Institution : Central Scientific-Research Institute of Physics, Hungarian Academy of Sciences, Budapest

Submitted : May 24, 1954

JANOSSY, L.

"Measurement of sound sensitivity of GM (Geiger-Muller) counters." p. 257.

MAGYAR FIZIKAI FOLYOIRAT. (Magyar Tudományos Akademia) Budapest, Hungary,
Vol. 3, No. 3, 1955.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959.
Uncl.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

JANOSKY, L

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1"

JANOSSEY, L.

Some problems of our technical development and the intelligentsia,
p. 1, MUSZAKI ÉLET (Muszaki es Termeszettudomanyos Egyesuletek
Szovetsege) Budapest, Vol, 11, No. 13, July 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

Category : USSR/Nuclear Physics - Origin of Charged and Neutral Particles through Matter

C-6

Abs Jour : Ref Zhur - Fiziki, No 1, 1957, No 581

Author : Yanoshi, L.

Title : Generalized Form of the Diffusion Equation for a Single Particle

Orig Pub : Zh. eksperim. i teor. fiziki, 1956, 30, No 2, 351-361

Abstract : The diffusion process is described by a function $\phi(A, U, t)$, where A represents the parameters determining the state of the particle (components of a vector $A_k(t)$), U determines the intervals of the components of A , t is the time, and ϕ is the probability that a particle, which is in a state A at the instant $t' = 0$, assumes at the instant $t' = t$ such a state A' , which lies inside U . The state of the particle may change by collisions between particles. The probability of the $A \rightarrow A''$ transition by collision is denoted by $w(A, A'') dA'' dt$, where

$$w(A(t'')) = \int_{A''} w(A(t''), A'') dA''$$

The general diffusion equation is obtained in the following form

$$(\partial/\partial t + w(A) - \sum_{k,l} A_k^{(l+1)} \partial/\partial A_k^{(l)} \phi(A, U, t) = \int_{A''} w(A, A'') \phi(A, U, t) dA.$$

Card : 1/2

Category : USSR/Nuclear Physics - Origin of Charged and Neutral Particles through Matter

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 581

By way of example the author discusses the problem of the distribution of the areas between a straight line and the projections of the trajectory of a particle in an emulsion.

Card : 2/2

International Conference (Cont.)

HUN/1911

TABLE OF CONTENTS:

FIRST SESSION

SHOWERS AND INTENSITY MEASUREMENTS

- | | |
|---|----|
| 1. Janossy, L., and L. Nagy. Experiments on the Rossi Curve | 10 |
| 2. Mitrani, L. Measurements of the Rossi Curve at Great
Absorber Thicknesses | 11 |
| 3. Messerschmidt, W. New Apparatus for the Evaluation of
Cosmic Radiation Measurements in Halle and its Initial
Results | 17 |
| 4. Bartels, G. New Concepts in the Correction of Meteorologi-
cal Effects in Cosmic Radiation | 19 |

SECOND SESSION

EXTENSIVE AIR SHOWERS

- | | |
|--|----|
| 1. Dobrotin, N.A. The Study of Nuclear Interaction in Ultra-
high Energies | 24 |
| 2. Nikol'skiy, S.I., and G.B. Khristiansen. The Spatial
Dispersion of Electrons in Extensive Atmospheric Showers
Producing Primary Particles of Various Energies | 40 |

Card 2/6

International Conference (Cont.)

HUN/1911

3. Zawadski, A. The Density Spectrum of Extensive Air Showers
230 m. Above Sea Level 96
4. Chaploupka, P. A Few Remarks on the Geomagnetic Effect of
Extensive Air Showers 110

FOURTH SESSION

EMULSIONS

1. Janossy, L. On the Determination of the Energy of a Particle
From Its Track in an Emulsion 113
2. Alper, S., J. Auslander, C. Bercea, and E.M. Friedlander. On
Mass Estimation of Singly Charged Particles in Emulsions by
Scattering Measurements 127
3. Gurevich, I.I. Study of Elementary Processes of Nuclear
Interaction by Photo Emulsion Methods (not incl)
4. Miesowicz, M.; O. Stanisiz and W. Wolter. Investigation of
an Electromagnetic Cascade of Very High Energy in the
First Stage of its Development 128

Card 4/6

International Conference (Cont.)

HUN/1911

5. Friedlander, E.M. A High Energy Meson Shower With an Anomalous Angular Spread 144

FIFTH SESSION

1. Filipkowski, A.; J. Gierulaxx, and P. Zielinski. Survey of the Experimental Hyperfragment Data 145
2. Hsiao, C., J.C. Cheng, M. Lu, and K.C. Wang. Some Heavy Unstable Particle Events Observed With a Multiplate Cloud Chamber 172
3. Friedlander, E.M., and M.E. Mayer. Some Remarks on the Possible Cascade Decay of the τ -Meson 177
4. Petrzilka, V. New Measurements of the Life Time of μ -Mesons From Anomal Absorption Using a Graphite Absorber and Nuclear Emulsions 178
5. Kiss, D. Measurements of the Life Time of μ -Mesons 184
6. Mayer, M.E., and C. Eftimiu. On Fermion Pair Creation by Charged Particles of Spin $1/2$ and 0 in an External Field 185

Card 5/6